

[54] **AUTOMATIC LIQUID SAMPLE TAKING  
AND SEGREGATING APPARATUS**

[76] Inventor: **Ernst Singer**, 3491 Puget Drive,  
Vancouver, B. C., Canada

[22] Filed: **Feb. 7, 1974**

[21] Appl. No.: **440,294**

[52] U.S. Cl. .... **73/421 B**; 141/130

[51] Int. Cl.<sup>2</sup> ..... **G01N 1/14**

[58] Field of Search ..... 73/421 R, 421 B, 422 TC;  
141/130

[56]

## References Cited

### UNITED STATES PATENTS

2,604,248	7/1952	Gorham .....	141/130
2,665,585	1/1954	Marcell et al. ....	141/130

3,192,968	7/1965	Baruch .....	141/130
3,589,197	6/1971	Brooks, Sr. ....	73/421 R

## FOREIGN PATENTS OR APPLICATIONS

720,161	12/1954	United Kingdom .....	73/421
---------	---------	----------------------	--------

Primary Examiner—S. Clement Swisher  
Attorney, Agent, or Firm—Fetherstonhaugh & Co.

[57]

## ABSTRACT

Apparatus for taking segregated measured samples of liquid and including means for drawing a predetermined volume of the liquid into a closed metering chamber having a valve-controlled outlet, a spout connected to the chamber outlet and movable to discharge liquid successively into a plurality of sample bottles.

**14 Claims, 14 Drawing Figures**

